

In Writing, I wish to persuade the FCC from allowing BPL to be implemented. The destruction or at the least, deterioration of the shortwave bands is not only a violation of ITU laws that protect international broadcasters from interference and jamming, it will be destroying many people's life hobby. Amateur radio will be reduced to users with high-power amplifiers and large antennas. Emergency communications will be hindered to levels directly responsible for the loss of life. Also, this will hinder military HF comms reducing national security.

Communications essential to National Security would be adversely effected, particularly:

FEMA - uses HF and VHF spectrum for voice and data communications in the event of a disaster or terrorist attack.

Military - National Guard uses HF voice circuits for tactical communications in time of emergency. Military aviation also uses HF spectrum for tactical unsecure and secure voice and data communications, including delivery of Emergency Action Messages.

Civil Aviation - uses HF spectrum for communications and navigation while navigating areas not covered by VHF communications capability.

Due to the nature of HF propogation, BPL can interfere with communications in areas distant from BPL-implemented areas. Skywave propogation can allow signals at even low emission levels to interfere with communications hundred or thousands of kilometers away.

As you can see, BPL may prove seriously detrimental to national security in time of natural disaster or terrorist attack against the populace. I seriously urge the FCC to deny implementation of BPL until such a time that a methodology of implementation can be found that will allow unhindered communications on the HF and VHF spectrum in areas served by BPL.

There are many technologies that make BPL unnecessary. BPL will never be able to carry the high bandwidth demands for mass distribution of video much less the up-and-coming HDTV.

Thank You!